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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete If Known	
Application Number	10/685,565
Filing Date	October 16, 2003
First Named Inventor	Daben Liu
Art Unit	2641
Examiner Name	Not Yet Assigned
Attorney Docket Number	BBNT-P01-190

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/AA/	AS2	US-6,317,716	11-13-2001	Braida et al.	
	AT2	US-6,931,376-A1	08-16-2005	Lipe et al.	
	AU2	US-2002/0,010,575	01-24-2002	Haase et al.	
	AV2	US-6,185,531	02-06-2001	Schwartz et al.	
/AA/	AW2	US-6,434,520	08-13-2002	Kanevsky et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
/AA/	CF	Beigi et al., "A Distance Measure Between Collections of Distributions and its Applications to Speaker Recognition" IEEE International Conference on Acoustics, Speech and Signal Processing, ICASSP'89, 12-15 May 1998, Volume 2, pages 753-756	
/AA/	CG	Ferret et al, "A Thematic Segmentation Procedure for Extracting Semantic Domains from Texts"	

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Examiner Signature	/Abul Azad/	Date Considered	06/19/2007

INFORMATION DISCLOSURE CITATION

PTO-1449

OIPE JC22 JAN 20 2004 PATENT & TRADEMARK OFFICE

ATTORNEY'S DKT NO.	APPLICATION NO.
02-4020	10/685,565
APPLICANT(S) Daben Liu	
FILING DATE October 16, 2003	GROUP ~~Unassigned~~ 2626

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes	Translation No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/AA/	Amit Srivastava et al.: "Sentence Boundary Detection in Arabic Speech," 8th European Conference on Speech Communication and Technology, September 1-4, 2003 in Geneva, Switzerland; 4 pages.
/AA/	Sreenivasa Sista et al.: "Unsupervised Topic Discovery Applied To Segmentation Of News Transcriptions," 8th European Conference on Speech Communication and Technology, September 1-4, 2003 in Geneva. Switzerland; 4 pages.
/AA/	Daben Liu et al.: "Online Speaker Clustering," ICASSP 2003, Vol. I, pages 572-575, 2003 Hong Kong.
/AA/	J. Billa et al.: "Audio Indexing Of Arabic Broadcast News," ICASSP 2002; Orlando, FL; May 13-17, 2002; 4 pages.
/AA/	Scott Shepard et al.: "Oasis Translator's Aide," Human Language Technology Conference; San Diego, California; 2002; 2 pages.
/AA/	Scott Shepard et al.: "Newsroom OnTAP - Real-time alerting from streaming audio," December-January 2001 HLT Paper; 2 pages.
/AA/	Heidi Christensen et al.: "Punctuation Annotation using Statistical Prosody Models," The Proceedings of Eurospeech, Denmark, 2001; 6 pages.
/AA/	Ji-Hwan Kim et al.: "The Use Of Prosody In A Combined System For Punctuation Generation And Speech Recognition," The Proceedings of Eurospeech, Denmark, 2001; 4 pages.
/AA/	Jing Huang et al.: "Maximum Entropy Model For Punctuation Annotation From Speech," The Proceedings of Eurospeech, Denmark, 2001; pages 917-920.
/AA/	Yoshihiko Gotoh et al.: "Sentence Boundary Detection in Broadcast Speech Transcripts," Proceedings of the International Speech Communication Association Workshop: Automatic Speech Recognition: Challenges for the New Millennium, Paris, September 2000; 8 pages.
/AA/	John Makhoul et al.: "Speech and Language Technologies for Audio Indexing and Retrieval," Proceedings of the IEEE, Vol. 88, No. 8, August 2000; pages 1338-1353.
/AA/	Francis Kubala et al.: "Integrated Technologies For Indexing Spoken Language," Communications of the ACM, Vol. 43, No. 2, February 2000; pages 48-56.

EXAMINER	/Abul Azad/	DATE CONSIDERED	05/13/2007

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FILING DATE October 16, 2003	GROUP Unassigned

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/AA/	Sean Colbath et al.: "Spoken Documents: Creating Searchable Archives from Continuous Audio," Proceedings of the 33rd Hawaii International Conference on System Sciences-2000; pages 1-9.
/AA/	Francis Kubala et al.: "Situation Awareness Contexts for Smart Environments," Inter-Agency Workshop on Research Issues for Smart Environments; Atlanta, GA; 2000; 3 pages.
/AA/	Daben Liu et al.: "Fast Speaker Change Detection For Broadcast News Transcription And Indexing," The Proceedings of Eurospeech 1999; Budapest, Hungary; 4 pages.
/AA/	Daniel M. Bikel et al.: "An Algorithm that Learns What's in a Name," Machine Learning, 1999; pages 1-20.
/AA/	Richard Schwartz et al.: "Accurate Near-Real-Time Recognition of Broadcast News using Multiple-Pass Search Techniques," 1999 Workshop on Automatic Speech Recognition and Understanding, December 12-15, 1999; Keystone, Colorado; 6 pages.
/AA/	Francis Kubala et al.: "Smart Information Spaces: Managing Personal and Collaborative Histories," Proceedings of the 1998 DARPA/NIST Smart Spaces Workshop, July 30-31, 1998; 6 pages.
/AA/	Daben Liu et al.: "Improvements in Spontaneous Speech Recognition," Proceedings of the DARPA Broadcast News Transcription and Understanding Workshop; February 8-11, 1998 in Lansdowne, Virginia; 5 pages.
/AA/	Francis Kubala et al.: "The 1997 BBN Byblos System Applied To Broadcast News Transcription," Cambridge, Massachusetts; 1997; 6 pages.
/AA/	Hubert Jin et al.: "Automatic Speaker Clustering," ICFEM, Chantilly, Virginia; February 1997; 4 pages.
/AA/	Sean Colbath et al.: "OnTAP: Mixed-media Multi-lingual Language Processing," Human Language Technology Conference, San Diego, CA; 2002; 2 pages.
/AA/	Andreas Stolcke et al.: "Automatic Linguistic Segmentation Of Conversational Speech," Proceedings of the International Conference on Spoken Language Processing, Vol. 2, Philadelphia 1996; pages 1005-1008.
/AA/	Scott S. Chen et al.: "Speaker, Environment and Channel Change Detection and Clustering via the Bayesian Information Criterion," in DARPA Speech Recognition Workshop, 1998, 6 pages.
/AA/	Marti A. Hearst: "Multi-Paragraph Segmentation of Expository Text," in Proceedings of the 2nd Annual Meeting of the Association for Computational Linguistics, New Mexico State University, Las Cruces, NM, 1994, pages 1-8.

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Sheet 1 of 2

Complete If Known	
Application Number	10/685,565
Filing Date	October 16, 2003
First Named Inventor	Daben Liu
Art Unit	2626
Examiner Name	A. K. Azad
Attorney Docket Number	BBNT-P01-190

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	AX2	US-20030088414	05-08-2003	Huang et al.	
	AY2	US-5,613,032	03-18-1997	Cruz et al.	
	AZ2	US-5,614,940	03-25-1997	Cobbley et al.	
	AA3	US-6,253,179	06-26-2001	Beigi et al.	
	AB3	US-6,345,252	02-05-2002	Beigi et al.	
	AC3	US-6,360,234	03-19-2002	Jain et al.	
	AD3	US-6,463,444	10-08-2002	Jain et al.	
	AE3	US-6,567,980	05-20-2003	Jain et al.	
	AF3	US-6,611,803	08-26-2003	Furuyama et al.	
	AG3	US-6,624,826	09-23-2003	Balabanovic	
	AH3	US-6,728,673	04-27-2004	Furuyama et al.	
	AI3	US-6,748,350	06-08-2004	Rumer et al.	
	AJ3	US-6,877,134	04-05-2005	Fuller et al.	
	AK3	US-7,146,317	12-05-2006	Bartosik et al.	
	AL3	US-7,171,360	01-30-2007	Huang et al.	

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	CH	"Informedia: Integrated Speech, Image, and Language Understanding for the Creation and Exploration of Digital Video Libraries", Carnegie Mellon University Informedia Digital Video Library, NSF Cooperative Agreement IRI 9411299, Quarterly Report, August 1996, Howard D. Wactlar, Project Director, http://www.informedia.cs.cmu.edu/dli1/reports/Quarterly7_Aug1996.html as accessed on 6/22/2006.	
	CI	Ahangar et al., "A Survey of Technologies for Parsing and Indexing Digital Video" Multimedia Communication Laboratory, Department of Electrical, Computer and Systems Engineering, Boston, MA, 1995.	
	CJ	Change et al., "Columbia's VoD and Multimedia Research Testbed With Heterogeneous Network Support" Journal on Multimedia Tools and Applications, Special Issue on Video on Demand, Kluwer Academic Publishers, 1997, pg 1-10.	
	CK	Christel et al., "Techniques for the Creation and Exploration of Digital Video Libraries", Multimedia Tools and Applications, 1996.	

Examiner Signature		Date Considered	

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				First Named Inventor	Daben Liu
				Art Unit	2626
(Use as many sheets as necessary)				Examiner Name	A. K. Azad
Sheet	2	of	2	Attorney Docket Number	BBNT-P01-190

	CL	Disz et al., "The Argonne Voyager Multimedia Server, Mathematics and Computer Science Division" Argonne National Laboratory, Argonne, IL, 1997.	
	CM	Gauch et al., "Real Time Video Analysis for Automatic Archive Creation" Electrical Engineering and Computer Science, The University of Kansas, pgs 1-18, 1998.	
	CN	Hampapur et al., "Virage Video Engine", Virage Inc., 1997	
	CO	Hauptman et al., "Text, Speech, and Vision for Video Segmentation: The Informedia Project" School of Computer Science, Carnegie Mellon University, 1995.	
	CP	Li et al., "VISION: A Digital Video Library," Dept. of Electrical Engineering and Computer Science, The University of Kansas, pgs. 19-27, 1996.	
	CQ	Nakamura et al., "Semantic Analysis for Video Contents Extraction-Spotting by Association in News Video", Institute of Information Sciences and Electronics, University of Tsukuba, Japan, 1997.	
	CR	The Informedia Digital Video Library: Integrated Speech, Image, and Language Understanding for the Creation and Exploration of Digital Video Libraries, Proposal responding to Announcement NSF 93-141 Research on Digital Libraries Copyright (c) 1994, pgs. 1-48, http://www.informedia.cs.cmu.edu/dli1/reports/dli1Proposal.html accessed on 6/22/06.	
	CS	Van Thong et al., "SPEECHBOT: An Experimental Speech-Based Search Engine for Multimedia Content in the Web", Compaq, Cambridge Research Laboratory, Technical Report Series CRL 2001/06, July 2001.	
	CT	Wactlar et al., "Informedia : News-on-Demand Experiments in Speech Recognition", School of Computer Science, Carnegie Mellon University, Pittsburgh, PA 15213-3890, 1996.	

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